

WHAT IS CLAIMED IS:

- 09965398-092801
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1. A telephone comprising:
 - a location adapted to engage a filter cartridge;
 - a filter cartridge adapted to be inserted into the location and including a first end and second end;
 - the first end including at least one electrical connector for engaging a corresponding electrical connector disposed in the location;
 - the second end including at least one DSL connector of a first gender adapted to receive a DSL connector of the opposite gender.
 2. The telephone according to claim 1, wherein the filter cartridge includes a DSL filter.
 3. The telephone according to claim 1, wherein the filter cartridge is designed to be easily removable.
 4. The telephone according to claim 1, wherein the telephone is designed to easily eject the filter cartridge.
 5. The telephone according to claim 4, wherein a three position switch is used to eject the filter cartridge.
 6. The telephone according to claim 1, wherein the first gender is female.

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7. A filter cartridge adapted for use with a telephone comprising:
a first end and second end;
the first end including at least one electrical connector for engaging a corresponding
electrical connector; and
the second end including at least one DSL connector of a first gender adapted to receive a
DSL connector of the opposite gender.

8. The filter cartridge according to claim 7, wherein the filter cartridge includes a DSL
filter.

9. The filter cartridge according to claim 7, wherein the filter cartridge is designed to be
easily removable.

10. The filter cartridge according to claim 7, wherein the second end of the filter cartridge
includes a female DSL connector.

11. A filter cartridge adapted for use with a telephone comprising:
a first end and second end;
the first end including at least one electrical connector for engaging a corresponding
electrical connector;

the second end including at least one line connector capable of receiving a signal and a DSL connector, the line connector in communication with a block that splits the signal, and the DSL connector in communication with the block; and

wherein the filter cartridge is removable from the telephone.

A1 12. The filter cartridge according to claim 11, wherein the block is in communication with a DSL filter.

13. The filter cartridge according to claim 12, wherein the DSL filter is in communication with at least one electrical connector adapted to communicate with the telephone.

14. The filter cartridge according to claim 11, wherein four conductors are used to place the block in communication with the DSL connector.

15. The filter cartridge according to claim 14, wherein a first pair of the four conductors are in communication with an inner pair and wherein a second pair of the four conductors are in communication with an outer pair.

16. The filter cartridge according to claim 11, further comprising a latch.

17. The filter cartridge according to claim 16, wherein the latch is biased away from the filter cartridge.

A1 18. The filter cartridge according to claim 16, wherein the latch includes a shoulder.

19. The filter cartridge according to claim 16, wherein the latch includes an end disposed axially beyond a leading edge of the filter cartridge.

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